METHOD OF REDUCING MISCORRECTIONS IN A POST-PROCESSOR USING COLUMN PARITY CHECKS

ABSTRACT

The present invention is a method and system for reducing miscorrections of data in a post-processor. In an embodiment of the invention, the system and method may

5   compare a result of an exact match function and a metric for each row of a reconstructed data block to determine if a correction should be made. An algorithm for performing an exact match function may include a column parity check syndrome, a matched filter error syndrome, and an error mask of the present invention. If a result of an exact match function is an exact match, a priority of correction may be given to the row in which the

10   exact match was produced.